

Amendments to the Specification:

Please replace the paragraph beginning at page 14, line 19 with the following amended paragraph:

The processor described herein can be implemented in digital electronic circuitry, in computer hardware, firmware, software, or in combinations of them. The processor described herein can be implemented as a computer program product, e.g., a computer program tangibly embodied in an information carrier, e.g., in a machine-readable storage device ~~or in a propagated signal~~, for execution by, or to control the operation of, data processing apparatus, e.g., a processing device, a computer, or multiple computers. A computer program can be written in any form of programming language, including compiled, assembled, or interpreted languages, and it can be deployed in any form, including as a stand-alone program or as a module, component, subroutine, or other unit suitable for use in a computing environment. A computer program can be deployed to be executed on one computer or on multiple computers at one site or distributed across multiple sites and interconnected by a communication network.